FLORENCE COPPER

FLORENCE COPPER INC.
1575 W. Hunt Highway, Florence, Arizona 85132 USA
florencecopper.com

April 22, 2019
HA File No. 132473-003

Mr. David Albright
U.S. Environmental Protection Agency, Region 9
Drinking Water Protection Services, WTR-3-2
75 Hawthorne Street
San Francisco, California 94105-3901

Re: Mechanical Integrity Demonstrations, PTF Westbay Wells
Production Test Facility, UIC Permit No. R9UIC-AZ3-FY11-1
Florence Copper, Florence Arizona

Dear Mr. Albright:

Florence Copper Inc. (Florence Copper) has completed temperature decay logs (temperature logs) at the Production Test Facility (PTF) Westbay wells in support of Part II Mechanical Integrity Demonstration. The tests were completed in accordance with Part II.E.3(a)(ii)(b) and Appendix D of the Underground Injection Control Permit No. R9UIC-AZ3-FY11-1; Conditional Authorization to Commence Injection for the PTF letter dated December 14, 2018; and the Approval of Temperature Logging Procedure for the PTF letter dated January 31, 2019.

Temperature decay logging on Westbay wells was conducted inside the existing polyvinyl chloride casing in place for the Westbay system. No equipment was required to be removed from the Westbay wells prior to shut in or logging. Shut in times reported on the temperature logs indicate time between runs. Below is a summary of the temperature decay logging results.

WB-01 Temperature Logging

Prior to conducting the temperature decay log the well was shut in for a period of more than 12 hours. Temperature logs were run on the well at 9:00 a.m. and 1:55 p.m. on March 20, 2019. The results of the temperature logging are included in Attachment 1.

WB-02 Temperature Logging

Prior to conducting the temperature decay log the well was shut in for a period of more than 12 hours. Temperature logs were run on the well at 10:20 a.m. and 2:55 p.m. on March 20, 2019. The results of the temperature logging are included in Attachment 1.

WB-03 Temperature Logging

Prior to conducting the temperature decay log the well was shut in for a period of more than 12 hours. Temperature logs were run on the well at 10:00 a.m. and 2:35 p.m. on March 21, 2019. The results of the temperature logging are included in Attachment 3.

WB-04 Temperature Logging

Prior to conducting the temperature decay log the well was shut in for a period of more than 12 hours. Temperature logs were run on the well at 11:15 a.m. and 3:50 p.m. on March 21, 2019. The results of the temperature logging are included in Attachment 4.

Summary

The temperature logging results for each Westbay well shows no anomalies that would indicate that there is flow behind the well casing. The temperature logs for each logging event are parallel to each other in the cemented zone and there is little to no differential between the two runs in each logging event.

Please contact me at 520-374-3984 if you require any additional information.

Sincerely,
Florence Copper Inc.

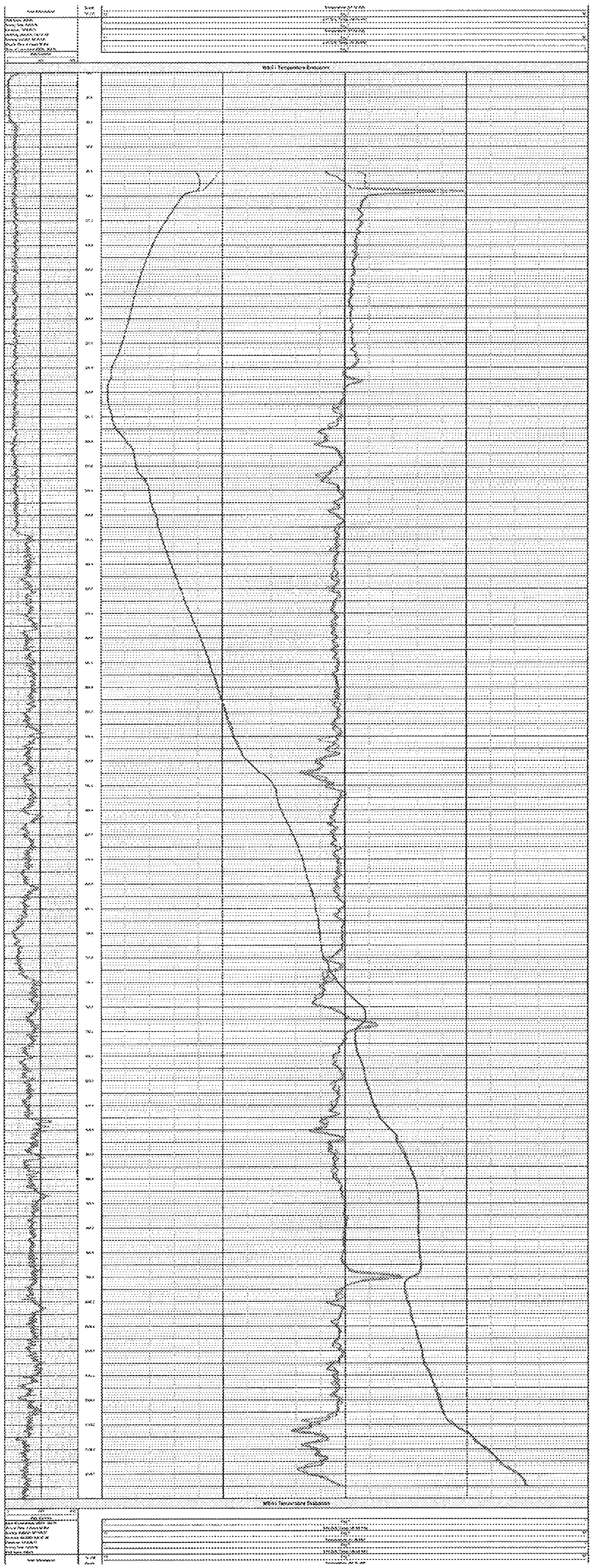
Daniel Johnson
Vice President – General Manager

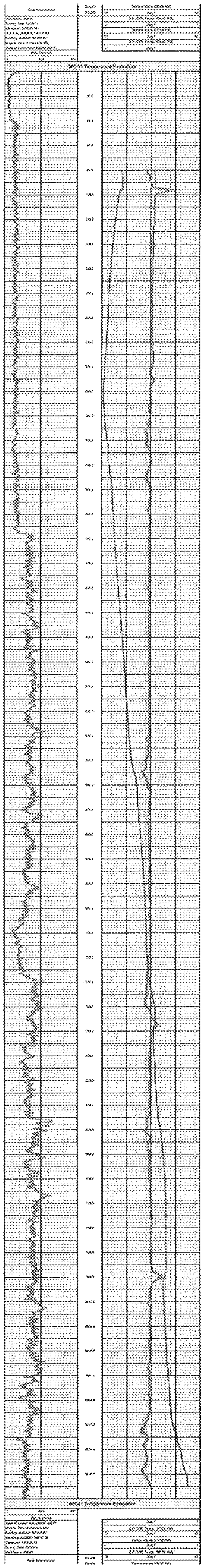
Enclosure:
Attachment 1 – Temperature Logs

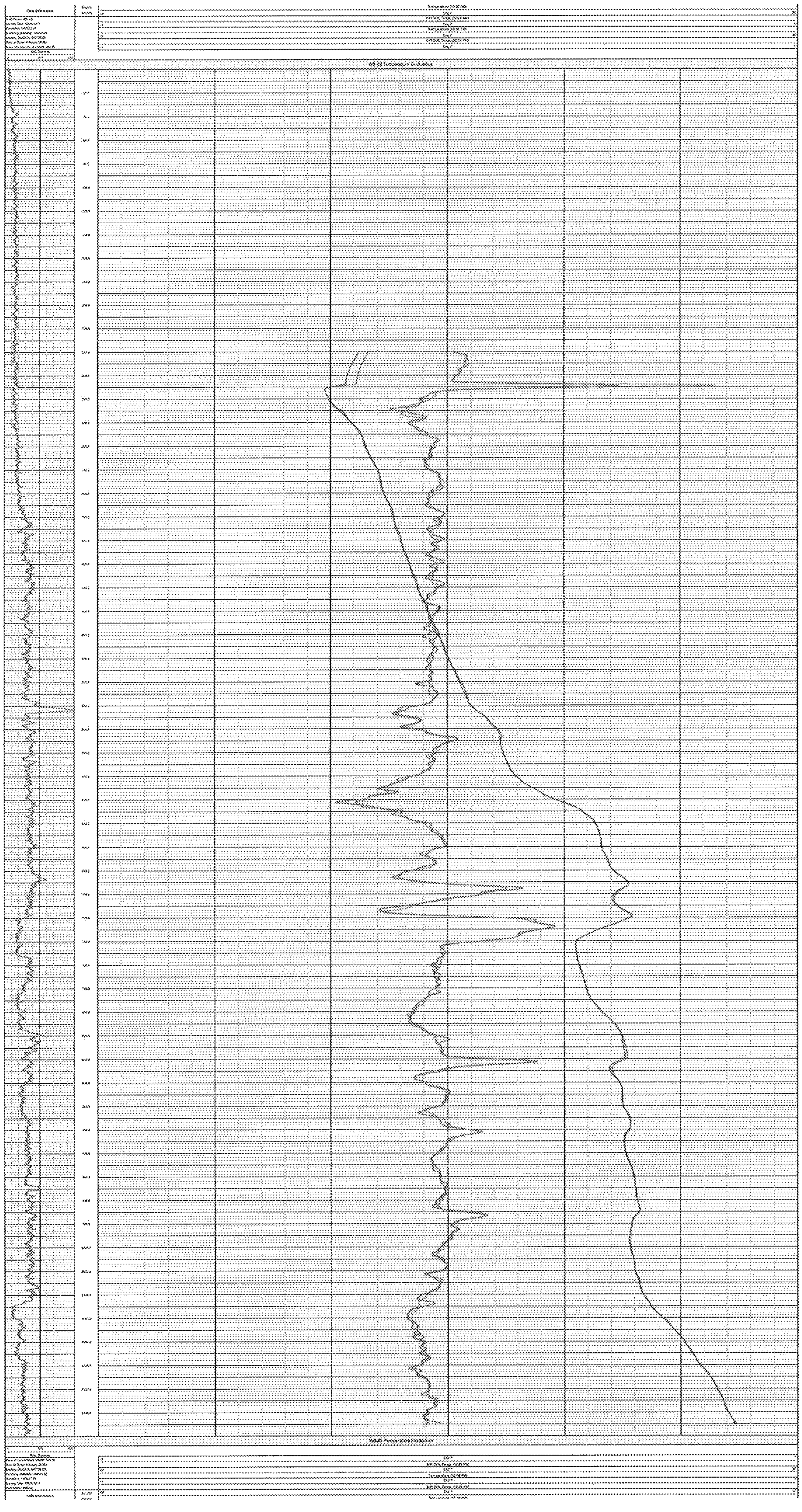
cc: Maribeth Greenslade, ADEQ
Nancy Rumrill, USEPA

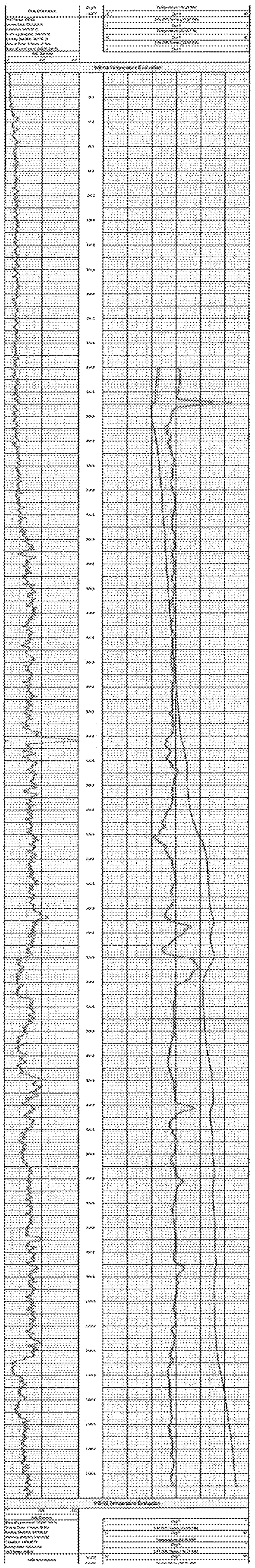
ATTACHMENT 1

Temperature Logs


Temperature Evaluation


Temperature Evaluation
Temperature Evaluation




Temperature Evaluation
Depth
Temperature Evaluation